

1614

2 8 2002

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U.S. PATENT AND TRADEMARK OFFICE
2002 MAY 13DATE: 05/13/2002
TIME: 16:11:38RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/077,712BInput Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\05132002\I077712B.raw

4 <110> APPLICANT: Wong, Chi-Huey
 5 Slee, Deborah H.
 6 Laslo, Karen
 8 <120> TITLE OF INVENTION: HIV Protease Inhibitors
 11 <130> FILE REFERENCE: 482.1/SCR 2025P
 13 <140> CURRENT APPLICATION NUMBER: US 09/077,712B
 C--> 14 <141> CURRENT FILING DATE: 2002-04-30
 16 <150> PRIOR APPLICATION NUMBER: PCT/US96/19571
 17 <151> PRIOR FILING DATE: 1996-12-09
 19 <150> PRIOR APPLICATION NUMBER: US 08/568,532
 20 <151> PRIOR FILING DATE: 1995-12-07
 22 <160> NUMBER OF SEQ ID NOS: 7
 24 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 8
 28 <212> TYPE: PRT
 29 <213> ORGANISM: Lentivirus Human Immunodeficiency virus 1
 31 <400> SEQUENCE: 1
 32 Ser Gln Asn Tyr Pro Ile Val Gln
 33 1 5
 36 <210> SEQ ID NO: 2
 37 <211> LENGTH: 8
 38 <212> TYPE: PRT
 39 <213> ORGANISM: Lentivirus feline immunodeficiency virus
 41 <400> SEQUENCE: 2
 42 Pro Gln Ala Tyr Pro Ile Gln Thr
 43 1 5
 46 <210> SEQ ID NO: 3
 47 <211> LENGTH: 6
 48 <212> TYPE: PRT
 49 <213> ORGANISM: Lentivirus feline immunodeficiency virus
 51 <400> SEQUENCE: 3
 52 Gln Ala Tyr Pro Ile Gln
 53 1 5
 56 <210> SEQ ID NO: 4
 57 <211> LENGTH: 6
 58 <212> TYPE: PRT
 59 <213> ORGANISM: Artificial Sequence
 61 <220> FEATURE:
 62 <221> NAME/KEY: MOD_RES
 63 <222> LOCATION: 1
 64 <223> OTHER INFORMATION: acylated with 2 amino-benzoic acid
 66 <221> NAME/KEY: MOD_RES

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Input Set : A:\PTO.VSK.txt
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67 <222> LOCATION: 4
68 <223> OTHER INFORMATION: para-nitro group on the phenyl ring of this
69 phenylalanine
W--> 71 <221> AMIDATION
72 <222> LOCATION: 6
73 <223> OTHER INFORMATION: amidated with ammonia
75 <223> OTHER INFORMATION: Synthetic
W--> 77 <400> 4
78 Thr Ile Asn Phe Gln Arg
79 1 5
82 <210> SEQ ID NO: 5
83 <211> LENGTH: 17
84 <212> TYPE: PRT
85 <213> ORGANISM: Unknown
87 <220> FEATURE:
88 <223> OTHER INFORMATION: synthetic
90 <400> SEQUENCE: 5
91 Gly Lys Glu Glu Gly Pro Pro Gln Ala Tyr Pro Ile Gln Thr Val Asn
92 1 5 10 15
93 Gly
97 <210> SEQ ID NO: 6
98 <211> LENGTH: 6
99 <212> TYPE: PRT
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Commercially available fluorogenic substrate for
104 the protease of the human immunodeficiency virus
W--> 106 <221> NAME/KEY: ACETYLATION
107 <222> LOCATION: 1
W--> 109 <221> MOD_RES
110 <222> LOCATION: 4
111 <223> OTHER INFORMATION: para-nitro group on the ring of phenylalanine
W--> 113 <221> AMIDATION
114 <222> LOCATION: 6
115 <223> OTHER INFORMATION: primary amide
W--> 117 <400> 6
118 Thr Ile Asn Phe Gln Arg
119 1 5
122 <210> SEQ ID NO: 7
123 <211> LENGTH: 8
124 <212> TYPE: PRT
125 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
128 <221> NAME/KEY: MOD_RES
129 <222> LOCATION: 4
130 <223> OTHER INFORMATION: 3-amino-2-oxo-4-phenylbu-
131 tyric acid residue
133 <221> NAME/KEY: AMIDATION
134 <222> LOCATION: 8

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Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\05132002\I077712B.raw

135 <223> OTHER INFORMATION: primary amide formed with
136 ammonia
138 <223> OTHER INFORMATION: synthetic
W--> 140 <400> 7
141 Pro Gln Ala Phe Pro Ile Gln Thr
142 1 5

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/077,712B

DATE: 05/13/2002
TIME: 16:11:39

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\05132002\I077712B.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:71 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:77 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:106 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:109 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6
L:113 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6
L:117 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6
L:140 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:7